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|---|--|---|
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 050-402 |
| INTERNATIONAL APPLICATION NO. PCT/JP2003/013443 | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/532372 |
| INTERNATIONAL FILING DATE 21 October 2003 | | PRIORITY DATE CLAIMED 21 October 2002 |
| TITLE OF INVENTION Database Accelerator | | |
| APPLICANT(S) FOR DO/EO/US Masaharu Tamatsu | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input checked="" type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | |
| Items 11 to 20 below concern document(s) or information included: | | |
| <ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information: | | |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO-1390 (Rev. 12-2004)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | | |
|--|--------------|---|------------|--------------------------|---------------------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) | | INTERNATIONAL APPLICATION NO. | | ATTORNEY'S DOCKET NUMBER | |
| 10/532372 | | PCT/JP2003/013443 | | 042-301 | |
| 21. The following fees are submitted: | | | | | |
| <input checked="" type="checkbox"/> a) Basic national fee..... | | | | \$300.00 | \$ 300.00 |
| <input checked="" type="checkbox"/> b) Examination fee..... | | | | \$200.00 | \$ 200.00 |
| <input checked="" type="checkbox"/> c) Search fee..... | | | | \$500.00 | \$ 500.00 |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$1000.00 | \$ 1000.00 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | | RATE | |
| 56 - 100 = | 0 /50 = | | | x \$250.00 | \$ 0.00 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | | \$ |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | \$ |
| Total claims | 12 - 20 = | | x \$50.00 | | \$.00 |
| Independent claims | 6 - 3 = | 3 | x \$200.00 | | \$ 600.00 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360.00 | | \$ 0.00 |
| TOTAL OF ABOVE CALCULATIONS = | | | | | \$ 1600.00 |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | | \$ 800.00 |
| SUBTOTAL = | | | | | \$ 800.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | | \$ |
| TOTAL NATIONAL FEE = | | | | | \$ 0.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property. | | | | | \$ |
| TOTAL FEES ENCLOSED = | | | | | \$ 800.00 |
| | | | | | Amount to be refunded: \$ |
| | | | | | Amount to be charged: \$ |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>800.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50,2069</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> | | | | | |
| <p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.437(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Apex Juris, PLLC 13194 Edgewater Lane Northeast Seattle, Washington 98125</p> | | | | | |
| | | | | | SIGNATURE |
| | | | | | Tracy M Heims |
| | | | | | NAME |
| | | | | | 53,010 |
| | | | | | REGISTRATION NUMBER |

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NEW PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Masaharu Tamatsu

Application No.: New U.S. Patent Application

Filed: April 21st, 2005

Attorney Dkt. No.: 050-402

For: Database Accelerator

NEW PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

April 20th, 2005

Commissioner:

Applicant respectfully requests that the filing date of April 21st, 2005 be granted to this filing and herein provides the appropriate following documentation:

1. Business check in the amount of 1375.00
2. Self Address, stamped return post card setting forth submission
3. Certificates of mailings for all documents (1 page)
4. PTO-1390, Transmittal Letter Concerning 371 Filing (2 pages)
5. PTO/SB/17, Fee transmittal form in duplicate (2 pages)
6. Application Data Sheet (3 pages)
7. Specification and claims (56 pages)
8. Formal drawings (23 pages)

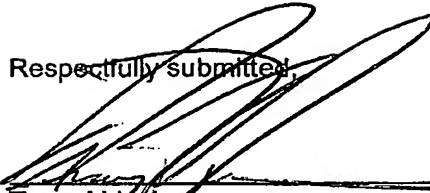
9. Copy of International Application as Filed (32 p)
10. Japanese Specifications & Claims (63 p)

Please charge any fee deficiency or credit any overpayment with

respect to this paper and or this application to Apex Juris Deposit Account No.
502069.

11. Japanese drawings (23 p)

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Tracy M. Heings', is written over the words 'Respectfully submitted,'.

Tracy M. Heings
Registration No. 53,010

APEX JURIS, pllc
13194 Edgewater Lane Northeast
Seattle, Washington 98125
Email: tracy@apexjuris.com
Tel: 206-664-0314
Fax: 206-664-0329

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PTO/SB/17 (12-04)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

| Complete if Known | |
|----------------------|------------------|
| Application Number | |
| Filing Date | 04/21/2005 |
| First Named Inventor | Masaharu Tamatsu |
| Examiner Name | |
| Art Unit | |
| Attorney Docket No. | 050-402 |

TOTAL AMOUNT OF PAYMENT (\$) 575.00

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 50,2069 Deposit Account Name: Apex Juris, plc

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) ☒ Credit any overpayments

☒ under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | 500.00 |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

| Fee (\$) | Small Entity Fee (\$) |
|----------|-----------------------|
| 50 | 25 |
| 200 | 100 |
| 360 | 180 |

Multiple dependent claims

| Total Claims | Extra Claims | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|----------|---------------|
| 12 | 20 or HP = | 0.00 | 0.00 |

HP = highest number of total claims paid for, if greater than 20

| Indep. Claims | Extra Claims | Fee (\$) | Fee Paid (\$) |
|---------------|--------------|----------|---------------|
| 6 | 3 or HP = | 25 | 75.00 |

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|----------|---------------|
| | | | | 0.00 |

4. OTHER FEE(S)

Non-English Specification: \$138 fee (no small entity discount)

Other:

| Fee Paid (\$) |
|---------------|
| 0.00 |
| 0.00 |

SUBMITTED BY

| | | |
|---------------------------------|--|------------------------|
| Signature | Registration No. 53,010 (Attorney/Agent) | Telephone 206-864-0314 |
| Name (Print/Type) Tracy M Helms | Date 04/21/2005 | |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8
FOR: NEW PATENT APPLICATION.
Attorney Docket Number 050-402

THE FOLLOWING DOCUMENTS ARE INCLUDED HEREIN:

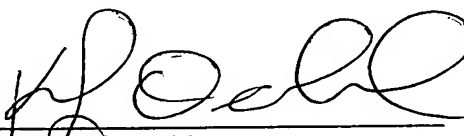
1. Business check in the amount of \$1375.00
2. Self Address, stamped return post card setting forth submission
3. Certificates of mailings for all documents (1 page)
4. Letter to the Commissioner with Filing (2 pages)
5. PTO-1390 Transmittal Letter Concerning 371 Filing (2 pages)
6. PTO/SB/17, Fee transmittal form in duplicate (2 pages)
7. Application Data Sheet (3 pages)
8. Specification and claims (56 pages)
9. Formal drawings (23 pages)

10. Copy of International (32p)
Application as Filed
11. Original Japanese specifications & claims (63p)
12. Original Japanese drawings (23p)

I hereby certify that this correspondence is being deposited with the United States Postal Service, Express Mail, label number ED320682876US, with sufficient postage, in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

On April 21st, 2005



Kristina L. Oswald
for Tracy M. Heims

4/21/05

Date: April 21st, 2005

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